



T MARY NEEBHA

Assistant Professor (SG), Department of Electronics and Communication Engineering
 Karunya Institute of Technology and Sciences
 Coimbatore 641114, Tamil Nadu, India
 Mobile : +91- 8870709847
 Email : maryneebha@karunya.edu / neebha08@gmail.com

RESEARCH/TEACHING INTERESTS

Electromagnetics and Antenna Design, AI-driven Antenna Optimization, RF and Microwave Devices, Metamaterials and Flexible Antennas, Millimeter-Wave and Conformal Antenna Design, Biomedical and Wearable Antenna Applications, Machine Learning in Electromagnetic Design, Computational Electromagnetics, Resonant and Reconfigurable Antenna Design, Ultra-Wideband (UWB) and MIMO Antennas, Reconfigurable Intelligent Surfaces (RIS), Transmission Lines and Waveguides, Microwave Engineering, Linear Integrated Circuits, Object-Oriented Concepts, CAD Tools for Electronics & RF Systems, Software Programming using C, C++ and Python, RF Design Automation.

EXPERIENCE

- Assistant Professor (SG), Electronics and Communication Engineering, Karunya Institute of Technology and Sciences, Coimbatore, India, 2021 – present
- Assistant Professor, Electronics and Communication Engineering, Karunya Institute of Technology and Sciences, India, 2013 – 2021
- Lecturer, Electronics and Communication Engineering, Karunya Institute of Technology and Sciences, India, 2010 – 2013
- Lecturer, Electronics and Communication Engineering, Kalasalingam College of Engineering and Technology, India, 2009 – 2010
- Software Engineer, INFOSYS Technologies Ltd, Mysore, India, 2008 – 2009

EDUCATION

Degree	Branch / Specialization	University	Class	Mode	Month&Year of Passing
Ph.D.,	Electronics and Communication	Karunya Institute of Technology & Sciences	Highly Commended	part Time	Sep 2019
M.E.,	Communication Systems	Anna University	First Class with Distinction	Full Time	March 2008
B.E.,	Electronics and Communication	Anna University	First Class with Distinction	Full Time	April 2006

SUMMARY OF INTERNATIONAL JOURNAL & CONFERENCE PUBLICATIONS - [PUBLISHED & ACCEPTED]

Year	International Journal Publications	International Conference Publications	National Conference publications
2009 - 2025	33	39	2

PATENTS

1	Flexible Microstrip Patch Antenna for Wearable Applications using High-Frequency Communication, Application No.202541085654 A, Publication Date: 03/10/2025.
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RESEARCH PROJECTS

#	Tittle of the project	Funding Agency	Amount(Rs.)	Year
1	Design and Development of body worn antenna for wireless applications	DRDO	39.4 lacks	2018-2021
2	Machine Learning Based Antenna Design for Wearable Devices	TNSCST	Rs.7500/-	2020

RESEARCH GUIDANCE

Research guidance as supervisor	Completed	Ongoing
Doctor of Philosophy - PhD Thesis advising	-	4
Master of Engineering - Master's Thesis advising	25	-

PROFESSIONAL MEMBERSHIPS

1	Life member of ISTE
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